

Converting Colors

XYZ(13.2989, 6.3589, 43.7095)

Have a look what the booklet for
XYZ(13.2989, 6.3589, 43.7095)
contains.

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Color

**XYZ(13.2639, 6.3410,
43.7049)**

Conversions

Conversions Part 1

Format	Color
Hex	5F17B4
RGB	95, 23, 180
RGB Percent	37%, 9%, 71%
CMY	0.6274, 0.9098, 0.2941
CMYK	0.47, 0.87, 0.00, 0.29
HSL	268°, 77%, 40%
HSV	268°, 87%, 71%
XYZ	13.2639, 6.3410, 43.7049
YIQ	62.4260, -7.4850, 64.0910

Conversions

Conversions Part 2

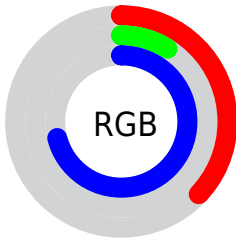
Format	Color
R_{YB}	95, 23, 180
Decimal	6231988
CIE _{Lab}	30.26, 59.96, -67.78
CIE _{LCh}	30, 90.496, 311.499
Yxy	6.3410, 0.2095, 0.1002
Android (android.graphics.Color)	4284422068 (0xFF5F17B4)
YUV	62.4260, 57.9640, 28.5674
Hunter-Lab	25.1813, 49.9549, -85.2772

Details

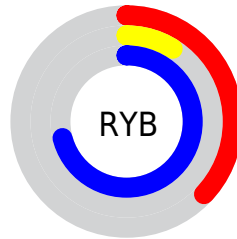
The XYZ color **13.2639, 6.3410, 43.7049** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **22.6600, 35.8925, 6.5442**, and the grayscale version is **4.5601, 4.7976, 5.2246**.

A 20% lighter version of the original color is **31.4811, 18.7218, 82.0752**, and **4.2726, 1.7676, 19.8546** is the 20% darker color. If you saturate the color by 10%, you get **12.0623, 5.3472, 43.5766**, and if you desaturate by 10%, it is **14.8273, 7.8692, 43.9176**.

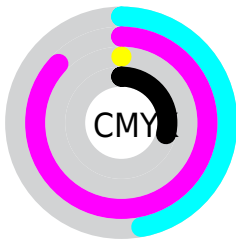
Distribution



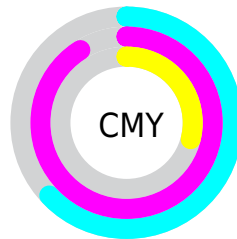
- Red (37%)
- Green (9%)
- Blue (71%)



- Red (37%)
- Yellow (9%)
- Blue (71%)



- Cyan (47%)
- Magenta (87%)
- Yellow (0%)
- Black (29%)



- Cyan (63%)
- Magenta (91%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2639, 6.3410, 43.7049 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 13.2639, 6.3410, 43.7049 by changing the saturation by 10% instead.

■ 13.2639, 6.3410,
43.7049

■ 13.2639, 6.3410,
43.7049

206.2057,
162.0699, 377.5087

■ 7.6888, 3.0535,
30.1031

■ 31.3744, 18.6346,
82.0712

■ 3.9466, 1.1597,
19.6641

■ 44.6404, 28.4096,
107.6729

■ 1.6720, 0.0284,
11.9695

■ 61.2009, 41.1158,
138.1115

■ 0.4386, 0.0000,
6.6006

■ 81.4210, 57.1377,
173.8057

■ 0.0000, 0.0000,
3.1390

■ 105.6662, 76.8596,
215.1739


■ 0.0000, 0.0000,
1.1660


■ 134.3018,

■ 0.0000, 0.0000,


100.6661, 262.6348

0.0000


 167.6932,
128.9413, 316.6069


 13.2639, 6.3410,
43.7049


 13.2639, 6.3410,
43.7049


 12.0623, 5.3472,
43.5766

 14.8273, 7.8692,
43.9176

 11.7661, 5.1140,
43.5472

 16.8060, 10.0338,
44.2312

 19.2387, 12.9059,
44.6573

 22.1592, 16.5467,
45.2061

 25.5975, 21.0104,
45.8865

■ 29.5808, 26.3463,
46.7065

■ 34.1346, 32.5998,
47.6735

■ 39.2823, 39.8128,
48.7945

■ 45.0461, 48.0248,
50.0757

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



7.8154, 6.3410, 65.0359



13.2639, 6.3410, 43.7049



17.6396, 6.3410, 17.3699

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13.2639, 6.3410, 43.7049



9.0241, 6.3410, 0.0000



1.0316, 6.3410, 12.7293

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



13.2639, 6.3410, 43.7049



22.6600, 35.8925, 6.5442

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



1.1137, 6.3410, 1.8094



13.2639, 6.3410, 43.7049



4.5345, 6.3410, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



13.2639, 6.3410, 43.7049



14.4995, 6.3410, 0.0000



2.0607, 6.3410, 0.0000



1.7332, 6.3410, 37.1206

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13.2639, 6.3410, 43.7049



18.5158, 6.3410, 6.3075



2.0607, 6.3410, 0.0000



0.9825, 6.3410, 7.5375

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



13.2643, 6.3412, 43.7051



54.2404, 48.5921, 84.8150



14.0977, 14.4896, 45.2340



11.1617, 9.7422, 18.2144



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.2643, 6.3412, 43.7051



21.0725, 9.1377, 78.9477



25.5909, 12.6958, 44.2820



8.3999, 8.4147, 10.6878



8.2877, 3.6083, 30.3966



0.3283, 0.1483, 0.9596

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.8355, 11.3988, 15.2359



37.9603, 19.1267, 21.7725



17.0366, 32.9935, 6.2811



8.6823, 8.5796, 9.8255



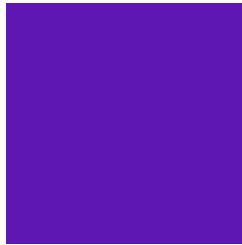
14.6917, 7.3942, 8.8024



0.4913, 0.2443, 0.4298

Previews

White Background



This preview shows how the XYZ color 13.2639, 6.3410, 43.7049 looks on a white background.

Color Contrast Check

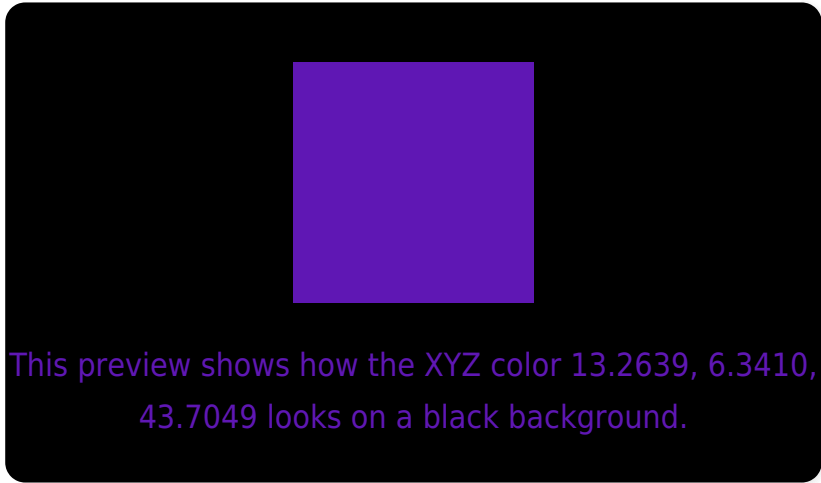
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

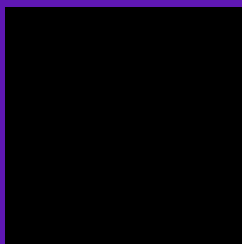
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2639, 6.3410, 43.7049

Background



This preview shows how black text looks on a background with the XYZ color 13.2639, 6.3410, 43.7049.



This preview shows how white text looks on a background with the XYZ color 13.2639, 6.3410,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

13.2639, 6.3410, 43.7049

Protanopia

7.4566, 6.4869, 28.4629

Deuteranopia

6.2147, 6.4039, 20.6472



Tritanopia

6.1468, 6.4500, 8.1287

Trichromacy



Original Color

13.2639, 6.3410, 43.7049

Protanomaly

8.2242, 5.4067, 33.4110

Deuteranomaly

7.2476, 5.1650, 27.8091

Tritanomaly

7.5556, 5.4958, 16.8822

Monochromacy



Original Color

13.2639, 6.3410, 43.7049

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.4308, 4.5897, 13.9116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2639, 6.3410, 43.7049 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(95, 23, 180)` looks like.

```
.text, #text, p{  
    color:rgb(95, 23, 180)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(95, 23, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 23, 180) }
```

Border

The CSS property to change the border of an element to XYZ 13.2639, 6.3410, 43.7049 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(95, 23, 180) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(95, 23, 180) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(95, 23, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 23, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 23, 180);  
box-shadow:4px 4px 4px 4px rgb(95, 23,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2639, 6.3410, 43.7049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 23, 180) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(95, 23,  
180) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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